

Title (en)

Low-bed trailer suspension system.

Title (de)

Aufhängungssystem für Tiefladeanhänger.

Title (fr)

Système de suspension pour remorque à plateau de chargement surbaissé.

Publication

**EP 0455868 A2 19911113 (EN)**

Application

**EP 90122887 A 19901129**

Priority

US 51916490 A 19900504

Abstract (en)

An axle suspension assembly for a low-bed trailer wherein the frame is formed of I-beams at each side thereof and each I-beam has an intermediate portion sloping upwardly and rearwardly between a low central portion and a higher rear portion. The customary trailing arm or equalizing beam is pivotally mounted on the web of this sloping portion of the I-beam utilizing a bushing assembly. Basically, the bushing assembly includes two pivot brackets which are bolted to opposite sides of the web and which carry, by way of a resilient bushing a bushing core through which a fastener may pass so as to clamp opposite arms of a yokelike forward portion of the trailing arm to the bushing core. The bushing core passes through an opening formed in the web with the opening being elongated in a fore and aft direction whereby the bushing assembly may be adjusted so as to accurately position the mounted axle transversely of the trailer frame. Each pivot bracket includes a collar and in a preferred embodiment of the bushing, separate bushings are pressed into the collars with the bushings being bonded to separately formed bushing cores. <IMAGE>

IPC 1-7

**B60G 7/02**

IPC 8 full level

**B60G 7/02** (2006.01)

CPC (source: EP US)

**B60G 7/02** (2013.01 - EP US); **B60G 2204/4306** (2013.01 - EP US); **F16B 2200/403** (2018.07 - EP US); **F16B 2200/506** (2018.07 - EP US); **Y10T 403/7049** (2015.01 - EP US)

Cited by

EP1478529A4; US6227554B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**US 4991872 A 19910212**; AU 629416 B2 19921001; AU 6497690 A 19911107; CA 2029996 A1 19911105; DE 69012314 D1 19941013; DE 69012314 T2 19950427; DK 0455868 T3 19950320; EP 0455868 A2 19911113; EP 0455868 A3 19920708; EP 0455868 B1 19940907

DOCDB simple family (application)

**US 51916490 A 19900504**; AU 6497690 A 19901025; CA 2029996 A 19901114; DE 69012314 T 19901129; DK 90122887 T 19901129; EP 90122887 A 19901129